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Appl. No. 10/689,483
Amdt. dated June 19, 2006
Reply to Office Action of April 14, 2006
Attorney Docket 17205

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1-18. (cancelled)

19. (currently amended) ~~The system of claim 18~~ A system for automatically raising a stabilizer of a work vehicle, comprising:
an input device configured to generate signals indicating a plurality of stabilizer rates of movement;
an electronic controller configured to receive the signals from the input device and generate corresponding valve signals; and
at least one hydraulic valve coupled to the controller to move the stabilizer in response to the valve signals;
wherein:
the controller has a first mode of operation in which it configured to signal the at least one hydraulic valve to raise and lower the stabilizer proportionate to the input device position;
the controller has a second mode of operation in which it automatically raises the stabilizer to a predetermined upper position;
the controller is configured to change from the first mode of operation to the second mode of operation based upon the operator's positioning of the input device in at least one position of a range of positions for a period of time;
the controller is configured to damp stabilizer movement in the first mode of operation;

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the controller is configured to enter a third, less damped, proportional control mode of operation; and

wherein the controller is configured to enter the third mode when an operator oscillates the input device.

20. (original) The system of claim 19, wherein the controller is configured to enter the third mode based at least on sensing a predetermined number of oscillations of the input device.

21. (cancelled)

22. (previously presented) A system for automatically moving a stabilizer of a work vehicle, comprising:

an operator manipulable input device configured to generate signals indicating a plurality of stabilizer rates of movement;

an electronic controller configured to receive the signals from the input device and generate corresponding valve signals; and

at least one hydraulic valve coupled to the controller to move the stabilizer in response to the valve signals;

wherein the controller has a first mode of operation in which it is configured to signal the at least one hydraulic valve to raise and lower the stabilizer proportionate to the input device position at least a first ramp rate, wherein the controller has a second mode of operation in which it raises and lowers the stabilizer proportionate to the input device position at at least a second ramp rate different from the first ramp rate, and further wherein the

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controller is configured to automatically switch from the first ramp rate to the second ramp rate based at least upon a first movement of the operator input device.

23. (previously presented) The system of claim 22, wherein the controller is configured to automatically switch from the second ramp rate to the first ramp rate based at least upon a second movement of the operator input device being of a different magnitude than the magnitude of the first movement.

24. (previously presented) The system of claim 23 , wherein the first movement includes (a) moving the operator input device above a first threshold position, and (b) moving the operator input device below a second threshold position.

25. (original) The system of claim 24, wherein the operator input device has a central position, and further wherein one of the first and second threshold positions is on one side of the central position and the other of the first and second threshold position is on the other side of the central position.

26. (original) The system of claim 25, wherein the operator input device is a joystick configured to generate joystick signals generally proportional to the positions of the joystick.

27. (previously presented) The system of claim 22 , wherein the controller is configured to change from the first to the second ramp rate when the operator moves the operator input device back and forth.

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28. (original) The system of claim 27, wherein the controller is configured to change from the first to the second ramp rate when the operator moves the operator input device back and forth at least once within a predetermined time interval.

29. (original) The system of claim 28, wherein each movement of the operator input device must take no more than 800 milliseconds.

30. (original) A method of shaking a stabilizer controlled by a joystick, including the steps of:
moving the joystick rapidly back and forth;
electronically monitoring the rapid joystick back-and-forth movement; and
reducing a stabilizer damping rate responsive to the monitored back and forth movement.

31. (original) The method of claim 30, wherein the step of electronically monitoring includes a step of determining a number of back-and-forth joystick movements.

32. (original) The method of claim 31, wherein the step of electronically monitoring includes a step of determining an elapsed time of the back and forth movements.

33. (original) The method of claim 32, wherein the step of electronically monitoring includes a step of determining a magnitude of the back and forth movements.